BRUHAT BANGALORE MAHANAGARA PALIKE
YALAHANKA ZONE

Name of work: Construction of Bangalore one building providing entrance gate Raising of chain link fencing and flood light pole fixing etc in Ward No. 07, Byatarayanapura Kodigehalli Sub

Estimate Cost Rs. 2000000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 : Earth work in surface excavation in **for Foundation of building water supply , sanitry lines and electri conduits either in pits or in trenches 1.5 and above in width , in ordinary soil not exeeding 1.5m in depth including dressing the bottom sides of pits and trenches stscking the excavated soil clear the edges of excavation with lead upto 50m after breaking of clods compleate as per specification** specification No KBS 2.1(a) / 2.3.5 **PWD SR 2014-15 Page No. 5 / Item No. 2.3**								
	Column	Cum	11	1.20	1.20	1.00	15.84		
	Foundation		1	41.25	0.90	0.75	27.84		
							43.68		
	Column Deductuion	(-)	11	0.90	0.75	1.20	8.91		
							34.77	172.78	**6008.00**
	Basic Rate	163.00							
	Area Weightage @ 6%	9.78							
	Total	**172.78**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.85 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.3 / PWD SR 2014-15**								
	Column	Cum	11	1.20	1.20	1.00	15.84		
	Foundation		1	41.25	0.90	0.75	27.84		
							43.68		
	Column Deductuion	(-)	11	0.90	0.75	1.20	8.91		
							34.77	4757.28	**165428.00**
	Basic Rate	4488.00							
	Area Weightage @ 6%	269.28							
	Total	**4757.28**							
3	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:8** stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2014-15(Page No. 25 / Item No. 5.5**								
	Column	Cum	1	41.25	0.60	0.60	14.85		
	Foundation		1	41.25	0.45	0.45	8.35		
							23.20		
	Column Deductuion	(-)	11	0.45	0.23	0.60	0.68		
	Column Deductuion	(-)	11	0.45	0.23	0.45	0.51		
							22.01	3610.36	79456.00
	Basic Rate	3406.00							
	Area Weightage @ 6%	204.36							
	Total	**3610.36**							
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.23/5.9) PWD SR 2014-15**								
	Foundation	Cantr	1	41.25	0.45	0.45	8.35		
	Column Deductuion	(-)	11	0.45	0.23	0.45	0.51		
							7.84	4458.36	34957.00

	Description of item		Unit	No	L	B	D	Qty	Rate	Amount
		Basic Rate	4206.00							
		Area Weightage @ 6%	252.36							
		Total	**4458.36**							
5	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 320kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.460 cum with superplastisiser @ 3 lts,machine mixed, well compacted for plain chajja of 15 cms. average thickness, vibrated for al works in foundation for footing , pedastals retaining walls return walls including attached pilasters , columnspillars posts, struts, butterses , bed blocks anchor blocks & plinths etc ; including cost of all materials , labour , hom of machinery curing complete as per specification. Specification NO. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 / PWD**									
	a) Column 1st Footing	Conc		11	1.20	1.20	0.30	4.75		
	Column 2nd Footing			11	0.60	0.60	0.30	1.19		
	Upto Plinth Height			11	0.45	0.23	0.60	0.68		
	b) Plinth Beam			1	41.25	0.23	0.30	2.85		
								9.47		
	Deduction For column		(-)	11	0.23	0.45	0.30	0.34		
								9.13	5952.96	**54337.43**
	b) Column upto roof level			11	0.45	0.23	4.00	4.55		
	C) Lintal Beam			1	41.25	0.23	0.30	2.85		
	d) Roof Beam			1	41.25	0.23	0.30	2.85		
	C) R.C.C Roof			1	11.10	6.35	0.15	10.57		
								20.82		
	Deduction For column		(-)	11	0.45	0.23	0.60	0.68		
								20.14	5952.96	**119869.70**
		Basic Rate	5616.00							
		Area Weightage @ 6%	336.96							
		Total	**5952.96**							
6	KSRB 15.1.3: Filling available excavated earth insides of foundation upto plinth in layers not exeeding 20cms in depth compacting each deposited by ramming after watering with lead upto 50m lift upto 1.5 m including cost of labour as per specifications. **Page No. 6 / Item No. 2.10 / PWD SR 2014-15**								Cum	
	Column	Conc		1	4.60	5.70	0.60	15.73		
	Foundation			1	4.60	4.90	0.60	13.52		
								29.26	116.60	**3411.00**
		Basic Rate	110.00							
		Area Weightage @ 6%	6.60							
		Total	**116.60**							
7	KSRB 15.1.3: Providing ruled pointing to courced stone masonary with cement mortor 1:3 20mm Deep after raking joints to depth of 20mm nicely lining including cost om Materials labour curing complete as per specifications. **Page No. 109/ Item No. 15.3 / PWD SR 2014-15**									
	Column	Conc		1.00	41.25		0.45	18.56		
								18.56	91.16	**1692.00**
		Basic Rate	86.00							
		Area Weightage @ 6%	5.16							
		Total	**91.16**							
8	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for **chajjas**, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 16 / Item No. 4.36/ PWD SR 2014-15**									
	1) Column footing	Conc		11.00	2.40		0.60	15.84		
	1) Column footing			11.00	1.20		0.30	3.96		
	upto Plinth			11.00	1.36		0.75	11.22		
	upto roof			11.00	1.36		3.00	44.88		

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Paraphet		11.00	1.36		1.00	14.96		
	2) Plinth Beam		2.00	41.25		0.30	24.75		
	3) Lintal Beam		2.00	41.25		0.15	12.38		
	3) Lintal Beam		1.00	41.25		0.23	9.49		
	4) Beam		2.00	41.25		0.30	24.75		
			1.00	41.25		0.23	9.49		
	5) Roof Slab		1.00	11.10		6.35	70.49		
			2.00	11.10		0.15	3.33		
			2.00	6.35		0.15	1.91		
	6) chajja		1.00	11.10		0.75	8.33		
			1.00	11.10		0.10	1.11		
			2.00	0.75		0.10	0.15		
			1.00	6.35		0.75	4.76		
			2.00	0.75		0.10	0.15		
			1.00	6.35		0.10	0.64		
							262.56		
	Deducttion column	(-)	11.00	1.35		0.85	12.62		
							249.94	685.82	**171414**
	Basic Rate	647.00							
	Area Weightage @ 6%	38.82							
	Total	**685.82**							
9	KSRB 5.11 : Providingand constructing load bearing blocks (hollow blocks) of proportion 1;15:3 blocks of size 40X20X20cms (lXbXh) strenth not less than newton per sqmm with cement mortor 1:4 conforming to is 2185 of 1967 having not less than 40mm shell thickness with two or more large cavities and having solid materials labour charges scaffolding curing complete as per specification Specification NO KBS 5.4 **Page No. 24 / Item No. 5.24/ PWD SR 2014-15**									
	Walls	Sqm	1.00	41.25		3.00	123.75		
	Parapet walls		1.00	34.80		1.00	34.80		
							158.55		
	Deduction - D/O	(-)	2.00	0.90		2.10	3.78		
	Deduction W/O	(-)	8.00	1.50		1.40	16.80		
							137.97	1023.96	**141275.76**
	Basic Rate	966.00							
	Area Weightage @ 6%	57.96							
	Total	**1023.96**							
10	KSRB 4.9.1: Providing **mild steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 PWD SR 2014-15**								Tonn	
	a) Column 1st Footing	Sqm	11	1.20		0.30	3.96		
	Column 2nd Footing		11	0.60		0.30	1.98		
	Upto Plinth Height		11	0.45		0.60	2.97		
	b) Plinth Beam		1	41.25		0.30	12.38		
	Deduction For column	(-)	11	0.23		0.30	0.76		
							20.53	7828.10	**160679.58**
	b) Column upto roof level		11	0.45		4.00	19.80		
	C) Lintal Beam		1	41.25		0.30	12.38		
	d) Roof Beam		1	41.25		0.30	12.38		
	C) R.C.C Roof		1	11.10		0.15	1.67		
	Deduction For column	(-)	11	0.45		0.60	2.97		
							43.25		

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			20.14	100.00			2014.00		
							20.14	7828.10	**157657.93**
	Basic Rate	7385.00							
	Area Weightage @ 6%	443.10							
	Total	**7828.10**							
11	KSRB 5.11 : ProvidingandFixing 1mm thick M.S Sheet sliding shutters with frames and diagnal branches of size 40X20X20mm (IXbXh)angle iron 3.15 mm thick ms gusset plates at junctions and corners 25 mm dia pulley 40X40X*6 mm angles and T iron guide rail top and bottom respectively with handles stoppers and looking arrangements etc including and applying of primer coat of red lead paint cost of materials labour hom of machinery complete as per Specification NO KBS 7.8/7.12 **Page No.31 / Item No. 7.2/ PWD SR 2014-15**									
	Wall South		2.00	0.90		2.10	3.78		
							3.78	3576.44	**13519.00**
	Basic Rate	3374.00							
	Area Weightage @ 6%	202.44							
	Total	**3576.44**							
12	KSRB 7.10 : Providing and fixing in position in cement concreate 1:3;6 steel glazed windows and ventilators as per approved drawings section of size 25X33X3 mm.weight 0.695 Kg/m, sides and top sections 1.3 mm. thick weight 1.419 kg/m; Both for outer and inner frames and central mullion section of size 25X33X3 mm.1.25mm, thick, weight2.28 kg/m,Duly providing T section 19X19x3 mm Weighing 0.839kg/m for glazing windows not more than 34 cm c to c including proving and fixing 4mm thick reeded glass with teek wood beeding of required size all steel section should complete i.s 7452:1990 4nos of hold facts of approved size section should cut at the lenth welded and electrically grinded sub dividing frames of unit shall be tonned revetted into the frames electrically all the one coat of anti corosive paint and finishing with two coat of ready mix paint of approved colour and make including cost of materials fixtures labour and hom of machinery complete as per specifications. **Page No. 32 Item No. 7.7/ PWD SR 2013-14**									
	Window South		8.00	1.50		1.40	16.80		
							16.80	3832.96	**64894.00**
	Basic Rate	3616.00							
	Area Weightage @ 6%	216.96							
	Total	**3832.96**							
13	KSRB 7.9 : Providing and fixing M.S grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S. flats and square rods as per approved design, drawning including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 **PWD SR2014-15 (P.32 / 7.9)**									
	Window South		8.00	1.50		1.40	16.80		
							16.80	98.58	**1656.14**
	Basic Rate	93.00							
	Area Weightage @ 6%	5.58							
	Total	**98.58**							
14	KSRB 7.10 : Providing and fixing vertified glass tilesa of approved make quality & colour of size 600x600x10 mm thick fixed on exiting flooring with special adhesive for flooring skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles including and providing spacers at requred interval and removing stains etc complete as per specifications. **Page No. 104 Item No. 14.45/ PWD SR 2013-14**									
	Flooring South		1.00	4.60		5.70	26.22		
			1.00	4.60		4.90	22.54		
							48.76	1106.64	**53960.00**
	Basic Rate	1044.00							
	Area Weightage @ 6%	62.64							
	Total	**1106.64**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 15.3.1 :Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No.109 / Item No. 15.9 / PWD SR 2014-15**								
Wall	Sqmt	1.00	34.80		5.00	174.00		
Deduction W/O	(-)	8.00	1.50		1.40	16.80		
Deduction D/O	(-)	2.00	0.90		2.10	3.78		
						153.42	140.98	21629.15
Basic Rate	133.00							
Area Weightage @ 6%	7.98							
Total	**140.98**							
15 KSRB 15.3.1 :Providing 15mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No.109 / Item No. 15.9 / PWD SR 2014-15**								
Walls L/W	Sqmt	2.00	10.60		3.00	63.60		
S/W		4.00	4.60		3.00	55.20		
						118.80		
Deduction D/O	(-)	8.00	1.50		1.40	16.80		
Deduction W/O	(-)	2.00	0.90		2.10	3.78		
						98.22	156.88	**15408.75**
Basic Rate	148.00							
Area Weightage @ 6%	8.88							
Total	**156.88**							
17 KSRB 15.3.1 :Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to Ceiling including rounding of corners wherever requred smooth rendering : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No.110 / Item No. 15.21 / PWD SR 2014-15**								
R.C.C Roof	Sqmt	1	11.10		6.30	69.93		
Chajja		1	11.60		0.75	8.70		
		1	6.30		0.75	4.73		
						83.36	183.38	15285.64
Basic Rate	173.00							
Area Weightage @ 6%	10.38							
Total	**183.38**							
18 KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications **PWD SR 2014-15 Page No. 113 / Item No. 15.49**								
Walls L/W	Sqmt	2.00	10.60		3.00	63.60		
S/W		4.00	4.60		3.00	55.20		
						118.80		
Deduction D/O	(-)	8.00	1.50		1.40	16.80		
Deduction W/O	(-)	2.00	0.90		2.10	3.78		
						98.22		
R.C.C Roof		1	11.10		6.30	69.93		
Chajja		1	11.60		0.75	8.70		
		1	6.30		0.75	4.73		
						181.58	65.72	11933.11
Basic Rate	62.00							
Area Weightage @ 6%	3.72							
Total	**65.72**							

KSRB 15-14.1 : Providing and applying Painting two coats withplastic emulsion paint er of approved brand With thoroughly brushing the surface to give even approved shade after thorughly brushing the surface free from mortor and other foriehn matter including preparing the surface even and sand paper smooth cost materials labour complete as per specification**PWD SR 2014-15 Page No. 113 / Item No. 15.51.1**

Walls L/W	Smt	2.00	10.60		3.00	63.60		
S/W		4.00	4.60		3.00	55.20		
						118.80		
Deduction D/O	(-)	8.00	1.50		1.40	16.80		
Deduction W/O	(-)	2.00	0.90		2.10	3.78		
						98.22	67.84	**6663.24**
Basic Rate	64.00							
Area Weightage @ 6%	3.84							
Total	**67.84**							

20 KSRB 15-14.1 : Providing and applying Paintingenamel metal paint two coats excluding primer coat over new steel or other metal steel brushing to give an even shade cleaning oil greese dirtv and other foriehn matter including preparing the surface even and sand paper smooth cost materials labour complete as per specification**PWD SR 2014-15 Page No. 117 / Item No. 15.74**

Painting for Doors	Smt	2.25	2.00	0.90	2.10	**8.51**		
		1	8.00	1.50	1.40	**16.80**		
						25.31	80.56	**2038.57**
Basic Rate	76.00							
Area Weightage @ 6%	4.56							
Total	**80.56**							

21 Providing Fabricating assembling and fixing in position alluminium partition using sections in combination of plain Single groove as per requirements for the frames of overall size 101.6mm X44.45mm 3.18 mm thick having section 2.40 kgs single grove section 2.541kg/m and double groove section 2.683 kg/m and bottom member 114.3mm X 44.45mm 3.18 thick and 2.6 46 kg/m alluminium louvrels of size 77.6 mmX27.6 mm1.7 mm thick and .483kg/m bottom portion provided with 12mm thick pre laminated sheet both side approved colour lambination exterior grade alluminium sections of mat finish glossy finish using sections spacing on vertical member shall not exeed .6 m c to c sections are cut to the required lenths joints mitered and corners grinded subdividing frames tennoned and riveted to the frames the assembeled frame should be stiffenedf with corner angle stripped and fixed with the screws , rawl plug and teak wood gutties to rcc columns or masonary on sides rcc lintels or beams at top and floor at bottom including cutting chistling making good with cement mortor to match the surface providing and fixing bottom panel filled with materials to the height .9 mm from the floor level and 5.5 mm thick plain glass for middle portin .9m to 2.13 m and top panel with lower section the gl;ass and the panel fitted with the glazing clips of 19mmX17.3mm with thickness of .9mm weight 0.124kg/m alluminium sections pre treated for removal, of any trust and prevention o further rust formation and coated with greasy materials for the non adherance of mortars or any other sticky materials vertical member embered in the flooring by making suitable size holes and fixing the cement mortar with necessary opening for fixing of doors of standard size all frame should be throughly clened free from rust scale ordirt including cost of matreials fixtures laboures and hom of machinery complete as specification. -do- using aluminium section anodized to 12-15 microns PWD SR 2014-15 Page No. 35 / Item No.7.14.1

W	Smt	6	1.50		1.20	10.80		
						10.80	1106.64	**11952.00**
Basic Rate	1044.00							
Area Weightage @ 6%	62.64							
Total	**1106.64**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	oviding and laying heavy duty cobble stones 60mm thick interlock pavers, using ment and course sand for manufacture of block of approved size, shape and colour ith a minimum compressive strength of 281 kg per squm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force the4reby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specification. 65mm thick (P 98 I.NO 14. 6)								
			1	25.00		15.00	375.00		
		Sqm.					**375.00**	**876.62**	**328733.00**
	Basic Rate	827.00							
	Area Weightage @ 6%	49.62							
	Total	**876.62**							
23	Supplying and fixing **M. S. Rectangular Poles** made but of 2 equal angles of 65 x 65 x 6 mm welded together and fixed inCC (1:2:4) with 2 Nos. 16 mm dia M. S. hold fast rods each of length 25 cms, including cost of all materials, cutting, bending scafolding wherever necessary, nicely finishing the welded joints with all lead and lift and as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earth work and concrete) (Page No. 231 & Item No. 37.2 PWD SR 20014-15).								
	Raising of Existing Fensing	**Cum**	1	20.00		1.20	24.00		
							24.00	**1093.92**	**26254.00**
	Basic Rate	1032.00							
	Area Weightage @ 6%	61.92							
	Total	1093.92							
24	Providing and fixing **M. S. Block Pipe** of 38 mm dia, of heavy guage of 1:4, including removing the bends, cutting the pipe in between the two verticle poles (M. S. Rectangular Poles) and spot welding the chain link with M. S. Block Pipe, including cost of all materials, wastage in cutting and scaffolding wherever necessary, with all lead and lift as directed by the Engineer-in-charge of the work etc., complete including 2 coats of approved quality paint over one coat of shop painting (Page No. 231 & Item No. 37.4 PWD SR 2014-15								
		Rmtr	**1**	**50.00**			**50.00**	**316.94**	**15847.00**
	Basic Rate	299.00							
	Area Weightage @ 6%	17.94							
	Total	316.94							
25	Providing **Chain Link Fencing** 50 mm size of 8 guage property striched between rectangular poles and fixed with suitable bolts and nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required, including cost of all materials, labour, lead and lifts, cutting, bending scafolding wherever necessary, wastage and lapping etc., complete as per the directions of the Engineer-in-charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (Page No. 231 & Item No. 37.3 PWD SR 2014-15								
	Raising of Existing Fensing	**Sqm**	1	60.00		1.50	90.00		
							90.00	**669.92**	**60292.8**
	Basic Rate	632.00							
	Area Weightage @ 6%	37.92							
	Total	669.92							
26	**Providing Electrician L/S**								70000
27	**Providing Wooden Table L/S**								80000
28	**Providing Gate**		2						80000
									1975753
29	**Third Party inspections Charges 1%**								19758
30	**Miselaneous Charges**								4490
							Total		2000000

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
(Rupees Twenty Lakhs Only)								

CERTIFICATE

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2014-15 & KPWD 2014-15.
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06

D. K. Madhusudhan
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Administrative sanction for Rs. Twenty lakhs only

is accorded under head P-1771

registered as EE No:...../..... Subject to conditions contained enclosed memo.

No:...../..... Dr.....

AE/JE EE (BTP. Div.)

ADMINISTRATIVELY SANCTIONED FOR Rs .....

Rupees 20.00 lks

Twenty lakhs only

Under C

P-1771

Registered as EE ( ) No 3.....9.....

Subject to conditions contained in enclosed memo EE ( ) No ...../19/....

Dt ..... Estimate A/Sanctioned

Adc/YLK/AS/No 1137/14-15

dated ..... Rs 20.00 lks

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

Technical Sanction for Rs. 20.00L

Twenty lakhs only

P-1771

Registered as EE No. ..... dated 29/10/14

to conditions contained enclosed memo.

No: TS/EE/110/14-15 Dt. 29/10/14

AE/JE EE (BTP.Div.)